

KENT STATE UNIVERSITY CERTIFICATION OF CURRICULUM PROPOSAL

Preparation Date **13-Nov-19** Curriculum Bulletin _____
 Effective Date **Fall 2019** Approved by EPC _____

Department **GEOL**
 College **AS - Arts and Sciences**
 Degree **Minor (non degree)**
 Program Name **Earth Science** Program Banner Code **ESCI**
 Concentration(s) _____ Concentration(s) Banner Code(s) _____
 Proposal **Establish program**

Description of proposal:

This action is to create a new Minor in Geology entitled Earth Science. This would provide the benefit of some Earth Science curricula to those students who do not want to pursue a full Earth Science major.



Does proposed revision change program's total credit hours? Yes No
 Current total credit hours: _____ Proposed total credit hours _____

Describe impact on other programs, policies or procedures (e.g., duplication issues; enrollment and staffing considerations; need; audience; prerequisites; teacher education licensure):

The proposed Minor will have no fiscal or facilities impact. There will be no need for additional staff although course enrollments will probably increase a bit. The audience will be those students who are interested in earth science but do not want to enroll in the Earth Science Major.

Units consulted (other departments, programs or campuses affected by this proposal):
Geography

REQUIRED ENDORSEMENTS

	<u>11/13/19</u>
Department Chair / School Director	_____
_____	____/____/____
Campus Dean (for Regional Campuses proposals)	____/____/____
	<u>12/13/19</u>
College Dean (or designee)	_____
_____	____/____/____
Dean of Graduate Studies (for graduate proposals)	_____
_____	____/____/____
Senior Vice President for Academic Affairs and Provost (or designee)	_____

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Proposal Summary Establish Minor in Earth Science

Description of Action, Including Intended Effect

The Department of Geology offers a newly revamped BA degree in Earth Science. This action is to create a new minor in Geology entitled Earth Science. This would provide the benefit of some Earth Science curricula to those students who do not want to pursue the full major in Earth Science.

Impact on Other Programs, Course Offerings, Students, Faculty, Staff (e.g., duplication issues)

The curriculum for the Earth Science minor will involve no additional courses beyond what is available for the major in Earth Science.

Fiscal, Enrollment, Facilities and Staffing Considerations

The proposed Minor will have no fiscal or facilities impact. There will be no need for additional staff although course enrollments will probably increase a bit.

Evidence of Need and Sustainability if Establishing

The Earth Science BA degree in Geology was recently revamped to better fit the needs of those students interested in how natural processes at the earth's surface (weathering, erosion, uplift, climate, ecosystems, etc) interacts with processes in the subsurface (magmatism, faulting, earthquakes, etc). Non-science and science majors are increasingly interested in how the Earth's four major systems interact: this minor will provide some of that critical knowledge. Additionally, this new minor gives an opportunity for non-Geology majors to pursue an interest in Earth Science that is more focused than the current broad Geology minor.

Provisions for Phase-Out if Inactivating

NA

Timetable and Actions Required: *a chronology of actions required to approve the proposal with an anticipated implementation date for each action*

Fall 2019	Department Approval
Fall 2019	A&S CCC Approval
Fall 2019	EPC/Faculty Senate Approval
Fall 2020	Effective Date

Earth Science minor

Kent State University 2020 Catalog

College College of Arts and Sciences**Department** Department of Geology 221 McGilvrey Hall

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Web: <https://www.kent.edu/geology>

The Earth Science minor prepares students to integrate concepts and knowledge of Earth's surface, its interior, and its interactions with life and water. Scientific knowledge about Earth processes and earth-life-water interactions is critical for making informed decisions in science education, public policy, public health, conservation, resource management, and environmental consulting. Students will gain essential knowledge of earth systems science, including the interactions of earth's atmosphere, biosphere, hydrosphere, and lithosphere over both shorter (millennium) and longer (mega-annum) time periods.

Fully offered at:

Kent Campus

Stark Campus

Admission Requirement: minimum 2.0 GPA is required to declare this minor.**Graduation Requirement:** minimum 2.0 GPA in minor is required.

Attribute Legend: **DD** Diversity-Domestic; **DG** Diversity-Global; **ELR** Experiential Learning; **KAD** Kent Core Additional; **KBS** Kent Core Basic Sciences; **KCM** Kent Core Composition; **KFA** Kent Core Fine Arts; **KHU** Kent Core Humanities; **KMC** Kent Core Mathematics and Critical Reasoning; **KSS** Kent Core Social Sciences; **WIC** Writing Intensive

Please read the sections in the University Catalog on [Kent Core](#), [diversity](#), [writing-intensive](#) and the [experiential learning requirements](#).

Attribute	Course	Title	Credits
KBS	GEOL 11040	How the Earth Works	3
	GEOG 41066	Global Climate Change	3
	GEOL 33025	Water and the Environment	3
Two from the following electives¹			6-7
	GEOG 49070	GIS	4
	GEOL 44025	Geologic Hazards	3
	GEOL 42030	Remote Sensing (cross-listed with Geography)	3
	GEOL 44074	Paleoceanography	3
	GEOG 31062	Fundamental of Meteorology	3
	GEOG 41073	Conservation of Natural Resources	3

¹ Other relevant courses may be substituted in consultation with an advisor.

Total Credits**15-16**